

## **Applying Science to Facilitate More Comfortable and Productive Environments™**

### **Who We Are**

Metropolitan Engineering, Inc./Shapiro-O'Brien is comprised of twenty-five engineers and project managers experienced in evaluating, designing, constructing and managing a broad range of buildings and facilities. The two organizations merged their complementary expertise in October 2003 to provide more comprehensive services to their clients. The combined experience of our firms includes design for over 100 buildings and thousands of interior renovations.

Metropolitan Engineering, Inc. was founded in 1994 by 30-year industry veteran Ronald Zarrilli. Since then, MEI has become known among local architects and developers for attentive client service and quick-turn, high-quality tenant improvement designs and building evaluations. The Shapiro-O'Brien group was formed in 1987 by Jerry O'Brien and partners from General Engineering Associates, and has been well-regarded for providing clients with coordinated and cost-effective designs for regional development projects and building renovations.

Under the combined MEI/SO organization, each discipline is led by a licensed professional engineer; a project manager is designated to be the primary point of client contact and to coordinate MEI resources for each project. Larger projects are also overseen by an executive-level Principal-In-Charge. Engineers and CAD technicians work as an integrated team to deliver seamless documents that appear as if they were produced by one individual.

To best serve our clients throughout the greater Baltimore/Washington region, our office is centrally located in downtown Washington, DC with convenient access to the Metro and all major highways. MEI drawings are produced using the latest version of AutoCAD, with client drawing files securely protected on our network, and on-site plotters for fast response to time-sensitive requests. Our processes and procedures are constantly improved and documented in our proprietary handbook, *MEI Pathways™*.

Our belief in the importance of high-quality engineering and responsive service has resulted in long-standing relationships with clients like BECO Management, CarrAmerica, CACI, Charles E. Smith, Davis Carter Scott, Eighth Day Design, Esocoff & Associates, Fannie Mae, Hickok Cole, Torti Gallas, WDG and many others.

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### **What We Do**

Metropolitan Engineering, Inc./Shapiro-O'Brien (MEI) is a multi-discipline, professional engineering firm with over sixty years of history. We deliver exceptionally responsive mechanical, plumbing and electrical engineering services through highly interactive relationships with our clients in which we assess, plan, design and manage diverse facility projects. MEI strives to be the first choice for MEP engineering throughout the metropolitan Baltimore/Washington region.

A relationship with Metropolitan Engineering, Inc./Shapiro-O'Brien offers these benefits:

- Superior Documents – many firms provide good technical drawings and reports, but we go beyond with superior communications, faster delivery, less permit hassle, lower construction costs and more effective indoor environments.
- Exceptional Service – we are fanatical about meeting commitments, providing quick turnaround, and responding promptly to client questions and comments.
- Technical Expertise – our staff is experienced in all aspects of the building planning and design process, enabling us to identify root causes, provide practical alternatives, and present innovative solutions –while respecting the budget and maintenance concerns of owners, architects, and facility managers.

Our core service offering includes:

- Engineering services of survey, analysis, design, and construction administration. Our design services include preliminary planning, schematic design, engineering design development and construction/permit documentation. Design services are tailored to each client's specific needs and are provided on a total project basis or by phase as projects require.
- Analysis and design services for facility management and renovation. These services require expertise in commercial, retail, multi-family residential, health care, municipal, institutional, and mission-critical spaces. Our engineers are familiar with considerations specific to each of these building types, and are qualified to advise on equipment relocation, plumbing, fire-protection, power generation and distribution, and HVAC issues.
- Construction administration services may include submittals/shop drawing review, bid evaluation, RFI and change response, site visits and punch-list preparation, construction progress meeting attendance, and commissioning of systems.